ABSTRACT OF THE DISCLOSURE

A system for recording for reuse, at least one test event and at least one associated response. A testing program sends one or more test events (e.g. button click) to a component (e.g. a web browser software application) and receives an associated response from the component (e.g. associated button is clicked). A tracing program stores test events and responses in a trace file and an analyser program analyses the file and creates "situations" of test events and associated responses. If required, the situations are further processed by an extractor program, which extracts surplus test events that are not required in order to produce an associated response. This extracting process produces a minimum set of test events, and the minimum sets and associated response are stored for reuse.